

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query  | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|---------------------------------|------------------|---------|------------------|
| S1    | 1       | ("6307847").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2008/03/11 11:31 |
| S2    | 0       | 10/693,696  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/08/23 18:39 |
| S5    | 11      | ("5619648"   "5734903"   "5784570"  <br>"5882527"   "5884033"   "5905863"  <br>"6072942"   "6167438"   "6484317"  <br>"6564059"   "6665278").PN.  | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/08/23 18:48 |
| S6    | 2546    | (filter\$6 search\$6) adj2 tree   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/08/23 18:49 |
| S7    | 2054    | (filter\$6 search\$6) adj2 tree and level   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/08/23 18:49 |
| S8    | 2624492 | @ad<="19980219"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/09/06 10:20 |
| S9    | 618     | S7 and S8   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/08/23 18:53 |
| S10   | 211     | S7 and S8 and message   | US-PGPUB;<br>USPAT;<br>USOCR    | OR               | ON      | 2005/08/24 09:49 |
| S11   | 1       | ("6307847").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/08/24 12:15 |
| S12   | 49172   | computer adj readable adj medium.clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | ON      | 2005/08/24 12:55 |
| S13   | 1       | ("6118789").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/08/24 16:44 |
| S14   | 1       | ("5583850").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/08/24 16:48 |
| S15   | 4       | ((("5627544") or ("5583850") or ("5500650")<br>or ("5365551")).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/08/24 16:51 |
| S16   | 12      | ((("5627,544") or ("5,625628") or ("5,<br>608739") or ("5583850") or ("5500,650") or<br>("5,479,416") or ("5,365,551") or ("4,862,<br>453") or ("5,649,296") or ("5,621412") or<br>("4926,182") or ("4075632")).PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR               | OFF     | 2005/08/24 17:36 |

## EAST Search History (Prior Art)

|     |         |   |                                 |    |     |                  |
|-----|---------|---|---------------------------------|----|-----|------------------|
| S17 | 1       | ("5583850").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/08/24 17:49 |
| S19 | 1       | ("5583850").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 13:39 |
| S20 | 1       | ("6307847").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 14:03 |
| S21 | 196     | 08/705,043  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2005/09/02 14:04 |
| S22 | 1       | ("6130602").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 14:19 |
| S23 | 29      | 08/907,689  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2005/09/02 14:22 |
| S24 | 1       | ("6289209").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 15:13 |
| S25 | 1       | ("6072801").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 15:20 |
| S27 | 61      | select\$6 with tree near3 search with level   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2005/09/02 15:21 |
| S28 | 2624510 | @ad<="19980219"   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/02 15:23 |
| S29 | 26      | S27 and S28   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/02 16:46 |
| S30 | 57      | skip\$6 with level with tree  | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/02 16:47 |
| S31 | 13      | S28 and S30   | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/02 18:00 |
| S32 | 1       | ("5406613").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/02 18:07 |
| S33 | 9       | ((("6,282,192") or ("6,363,065") or ("6,366,577") or ("6,377,570") or ("6,389,005") or ("6,430,409") or ("6,434,143") or ("2002-0122417") or ("6,526,131") or ("6,542,499"))).PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 09:27 |

## EAST Search History (Prior Art)

|     |         |                                      |                                 |    |     |                  |
|-----|---------|--------------------------------------|---------------------------------|----|-----|------------------|
| S34 | 1       | ("5583850").PN.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 09:28 |
| S35 | 1       | ("6307847").PN.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 09:28 |
| S36 | 2624523 | @ad<="19980219"                      | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/06 10:20 |
| S37 | 36      | wireless and slot\$4 adj2 aloha.cfm. | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/06 10:22 |
| S38 | 8       | S36 and S37                          | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/06 12:17 |
| S39 | 4       | wireless and aloha.ti.               | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/06 10:22 |
| S40 | 1       | S36 and S39                          | US-PGPUB;<br>USPAT;<br>USOCR    | OR | ON  | 2005/09/06 10:22 |
| S41 | 1213    | (370/329).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:19 |
| S42 | 221     | (370/346).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:19 |
| S43 | 1349    | (370/347).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:19 |
| S44 | 594     | (370/348).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:20 |
| S45 | 539     | (370/432).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:20 |
| S46 | 1125    | (370/445).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:20 |
| S47 | 410     | (370/447).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:21 |
| S48 | 143     | (370/448).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:21 |
| S49 | 849     | (370/449).CQLS.                      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:21 |

## EAST Search History (Prior Art)

|     |     |  |                                 |    |     |                  |
|-----|-----|--|---------------------------------|----|-----|------------------|
| S50 | 283 | (370/461).CQLS.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2005/09/06 12:21 |
| S51 | 0   | 10/693,696   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/01/19 12:17 |
| S52 | 1   | ("6118789").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 12:18 |
| S53 | 1   | ("5583850").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 12:23 |
| S54 | 1   | ("6307847").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 12:56 |
| S55 | 1   | ("6130602").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 15:47 |
| S56 | 1   | ("6307847").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 15:50 |
| S57 | 4   | ((("5627544") or ("5583850") or ("5500650")<br>or ("5365551")).PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 15:50 |
| S58 | 4   | S57 and tree   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/01/19 15:59 |
| S59 | 1   | ("6038455").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/19 19:11 |
| S61 | 1   | ("6307847").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/20 09:45 |
| S62 | 1   | ("5583850").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/01/20 11:32 |
| S66 | 1   | ("6307847").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/06 14:00 |
| S67 | 11  | ((("5942987") or ("5952922") or ("5640151")<br>or ("5914671") or ("5940006") or<br>("6130602") or ("5988510") or ("5164985")<br>or ("6289209") or ("5055968") or<br>("5266925")).PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/06 14:03 |
| S68 | 1   | ("6118789").PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2006/11/06 14:05 |

## EAST Search History (Prior Art)

|     |    |  |                                 |    |     |                  |
|-----|----|--|---------------------------------|----|-----|------------------|
| S69 | 7  | S67 and interrogator and tag   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/11/06 14:09 |
| S70 | 7  | interrogator same tag same tree  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2006/11/06 14:09 |
| S71 | 24 | ((("4,761,778") or ("4,799,059") or ("4,845,504") or ("4,955,018") or ("4,969,146") or ("5,019,813") or ("5,025,486") or ("5,046,066") or ("5,121,407") or ("5,124,697") or ("5,144,313") or ("5,144,668") or ("5,150,114") or ("5,150,310") or ("5,168,510") or ("5,194,860") or ("5,231,646") or ("5,307,463") or ("5,373,503") or ("6,707,376") or ("6,157,633") or ("6,771,634") or ("5,974,078") or ("5,790,946"))).PN. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2008/03/11 11:34 |
| S72 | 9  | ((("6118789") or ("6072801") or ("6061344") or ("6275476") or ("6282186") or ("6226300") or ("6307847") or ("6307848") or ("7315522"))).PN.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2009/02/28 11:46 |
| S73 | 9  | S72 and (tag rfid interrogator random)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 11:49 |
| S74 | 9  | S72 and search adj2 tree   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 11:52 |
| S75 | 7  | S72 and search adj2 tree same subgroup same level  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 11:56 |
| S76 | 0  | S72 and memory adj2 range same field same interrogator same bit adj2 location  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:05 |
| S77 | 0  | S72 and (memory adj2 range and field and interrogator and bit adj2 location).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:07 |
| S78 | 0  | S72 and (memory adj2 range and field and interrogator and bit).clm.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:08 |
| S79 | 1  | S72 and (memory and field and interrogator and bit).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:09 |
| S80 | 1  | S72 and (memory and field and interrogator and bit and parameter).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:10 |
| S82 | 0  | S72 and parameter with memory adj2 range with bit adj2 string.clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:12 |
| S84 | 3  | S72 and (bit adj2 string and identification adj2 code and object and random aj2 number and arbitration).clm.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:16 |

## EAST Search History (Prior Art)

|          |      |   |                                 |    |     |                  |
|----------|------|---|---------------------------------|----|-----|------------------|
| S85      | 1    | S72 and (field and random adj2 number and reply and command).clm. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 12:23 |
| S86      | 32   | ((CLIFTON) near2 (WOOD)).INV.                                     | US-PGPUB;<br>USPAT              | OR | ON  | 2009/02/28 13:48 |
| S87      | 130  | ((DAVID) near2 (KAPLAN)).INV.                                     | US-PGPUB;<br>USPAT              | OR | ON  | 2009/02/28 13:48 |
| S88      | 1    | ("7158479").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2009/02/28 17:33 |
| S89      | 10   | 10/981,202  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/02/28 18:49 |
| S90      | 1    | ("6307847").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2009/08/20 11:44 |
| S91      | 1    | 11/290,528  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/08/20 13:04 |
| S92      | 22   | 10/757,713  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/08/20 13:44 |
| S93      | 4    | 11/045,870  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON  | 2009/08/20 14:21 |
| S94      | 1    | ("6307847").PN.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 17:51 |
| S95      | 4473 | (370/329).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:05 |
| S96      | 449  | (370/346).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |
| S97      | 1994 | (370/347).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |
| S98      | 1162 | (370/462).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |
| S99      | 530  | (370/408).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |
| S10<br>0 | 2893 | (370/230).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |
| S10<br>1 | 715  | (370/437).CCL.S.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:06 |

### EAST Search History (Prior Art)

|          |      |                               |                                 |    |     |                  |
|----------|------|-------------------------------|---------------------------------|----|-----|------------------|
| S10<br>2 | 1053 | (370/441).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>3 | 1062 | (370/442).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>4 | 1052 | (370/449).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>5 | 970  | (370/458).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>6 | 1549 | (370/463).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>7 | 4956 | (370/342).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:07 |
| S10<br>8 | 1010 | (370/345).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:08 |
| S10<br>9 | 879  | (370/348).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:08 |
| S11<br>0 | 948  | (370/475).CQLS.               | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | OFF | 2010/02/11 18:08 |
| S11<br>1 | 35   | ((CLIFTON) near2 (WOOD)).INV. | US-PGPUB;<br>USPAT              | OR | ON  | 2010/02/11 18:08 |
| S11<br>2 | 143  | ((DAVID) near2 (KAPLAN)).INV. | US-PGPUB;<br>USPAT              | OR | ON  | 2010/02/11 18:09 |

### EAST Search History (Interference)

| Ref<br># | Hits | Search Query    | DBs  | Default<br>Operator | Plurals | Time Stamp       |
|----------|------|-----------------|------|---------------------|---------|------------------|
| S11<br>3 | 313  | (370/329).CQLS. | UPAD | OR                  | OFF     | 2010/02/11 18:05 |
| S11<br>4 | 7    | (370/346).CQLS. | UPAD | OR                  | OFF     | 2010/02/11 18:05 |
| S11<br>5 | 13   | (370/347).CQLS. | UPAD | OR                  | OFF     | 2010/02/11 18:06 |
| S11<br>6 | 4    | (370/462).CQLS. | UPAD | OR                  | OFF     | 2010/02/11 18:06 |
| S11<br>7 | 13   | (370/408).CQLS. | UPAD | OR                  | OFF     | 2010/02/11 18:06 |

## EAST Search History (Interference)

|      |    |                               |                |    |     |                  |
|------|----|-------------------------------|----------------|----|-----|------------------|
| S118 | 50 | (370/230).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:06 |
| S119 | 5  | (370/437).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:06 |
| S120 | 0  | (370/441).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:06 |
| S121 | 4  | (370/442).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:07 |
| S122 | 4  | (370/449).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:07 |
| S123 | 10 | (370/458).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:07 |
| S124 | 24 | (370/463).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:07 |
| S125 | 34 | (370/342).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:07 |
| S126 | 44 | (370/345).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:08 |
| S127 | 2  | (370/348).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:08 |
| S128 | 2  | (370/475).CQLS.               | UPAD           | OR | OFF | 2010/02/11 18:08 |
| S129 | 25 | ((CLIFTON) near2 (WOOD)).INV. | USPAT;<br>UPAD | OR | ON  | 2010/02/11 18:08 |
| S130 | 87 | ((DAVID) near2 (KAPLAN)).INV. | USPAT;<br>UPAD | OR | ON  | 2010/02/11 18:09 |